

## CS390 Fundamental Programming Practices

### Assignment4

Solve the following problems using recursion and draw the runtime stack representation of that code.

1. Write a method to display the digits of a given integer value  $n$  in reverse order.
2. Write a method to count the number of digits in an integer value  $n$ . Assume that  $n$  is nonnegative and represented in base ten.
3. Write a method to compute the sum of all elements of the array *arr*, of size  $n$ .